

PMMA ACRYREX® CM-205N

Product Description: High viscosity

Properties	ISO Test Method	Test Condition	Unit	CM-205N
Melt Flow Index	1133	230°C×3.8KG	ml/10 min	1.9
Mass Density	1183	23 °C	g/cm ³	1.19
Tensile Strength	527	5 mm/min, yield	MPa	70
		50 mm/min, break	MPa	70
Tensile Elongation	527	50 mm/min	%	12
Flexural Strength	178	2 mm/min	MPa	103
Flexural Modulus		2 mm/min	GPa	2.8
Izod Impact Strength	180/1A	23°C, Notched	KJ/m ²	2
		-30°C, Notched	KJ/m ²	—
Charpy Impact Strength	179	23°C, Notched	KJ/m ²	2
		Charpy -30°C, Notched	KJ/m ²	—
Vicat Softening Temp.	306	50°C/hr;1KG	°C	115
		50°C/hr;5KG	°C	107
Heat Distortion Temp.	75/A	1.8MPa, unannealed	°C	95
		1.8MPa, annealed	°C	104
Coefficient of Linear Thermal Expansion	11359	-	-	6 X 10 ⁻⁵
Flammability	-	UL-94	-	1.5mm HB
Mold Shrinkage	294-4	-	%	0.2~0.6
Symbol	1043	-	-	>PMMA<

June 15, 2023

Notes : These are typical properties only and are not to be construed as specifications. Users should confirm results by their own test

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